MASTER

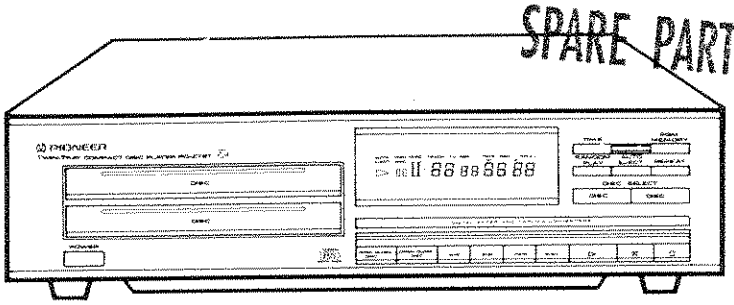
Operating Instructions

TWIN-TRAY COMPACT DISC PLAYER

PD-Z72T

SPARE PARTS MASTER

COMPACT DISC DIGITAL AUDIO



Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE
[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card, and keep it in a secure area. This is for your security.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

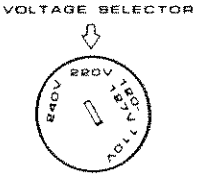
"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

LINE VOLTAGE SELECTOR SWITCH

Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch.
Mains voltages in Saudi Arabia are 127V and 220V only. Never use this model with 110V setting in Saudi Arabia.

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Use a medium-sized (flat-blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.



PIONEER®
The future of sound and vision.

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s) see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off.

FOR USE IN THE UNITED KINGDOM

WARNING: This plug must only be connected to electronic apparatus equipped with suitable sockets.
If not, cut off the plug and fit an appropriate type in accordance with the instructions below.
The cut-off plug must be disposed of as an electrical shock hazard could exist if connected to a socket outlet.

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – The operating instructions should be retained for future reference.

HEED WARNING – All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION – The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING – The appliance should not be mounted to a wall or ceiling.

VENTILATION – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION – Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING – The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES – An outdoor antenna should be located away from power lines.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE – The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped, or the enclosure damaged.

SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

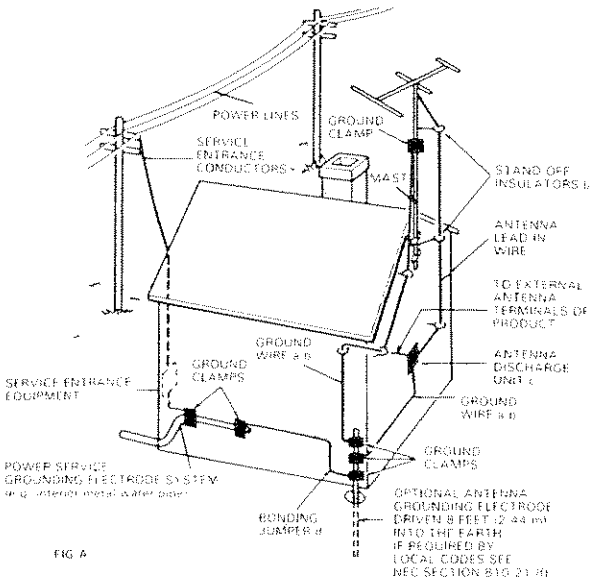

POWER LINES
GROUND CLAMP
SERVICE ENTRANCE CONDUCTORS
MAST
STAND-OFF INSULATORS
ANTENNA LEAD-IN WIRE
TO EXTERNAL ANTENNA TERMINALS OF PRODUCT
ANTENNA DISCHARGE UNIT (c)
GROUND WIRE (a)
GROUND CLAMPS
SERVICE ENTRANCE EQUIPMENT
GROUND WIRE (a)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (e.g. interior metal water pipe)
BONDING JUMPER (d)
OPTIONAL ANTENNA GROUNDING ELECTRODE DRIVEN 8 FEET (2.44 m) INTO THE EARTH IF REQUIRED BY LOCAL CODES SEE NEC SECTION 810.21 (f)

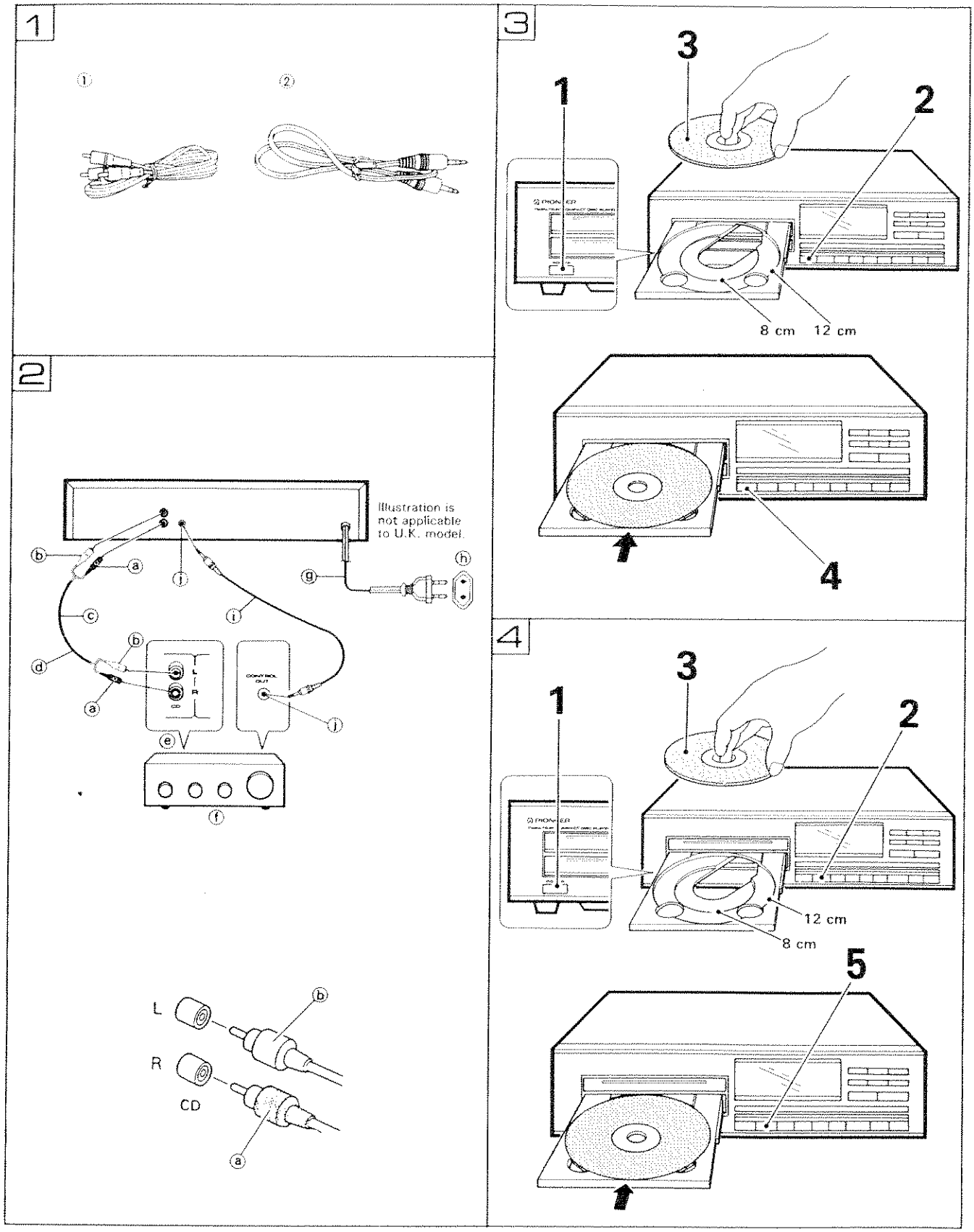
FIG. A

a) Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4 mm²) aluminum, No. 17 AWG (1.0 mm²) copper clad steel, bronze wire, or larger, as ground wire.

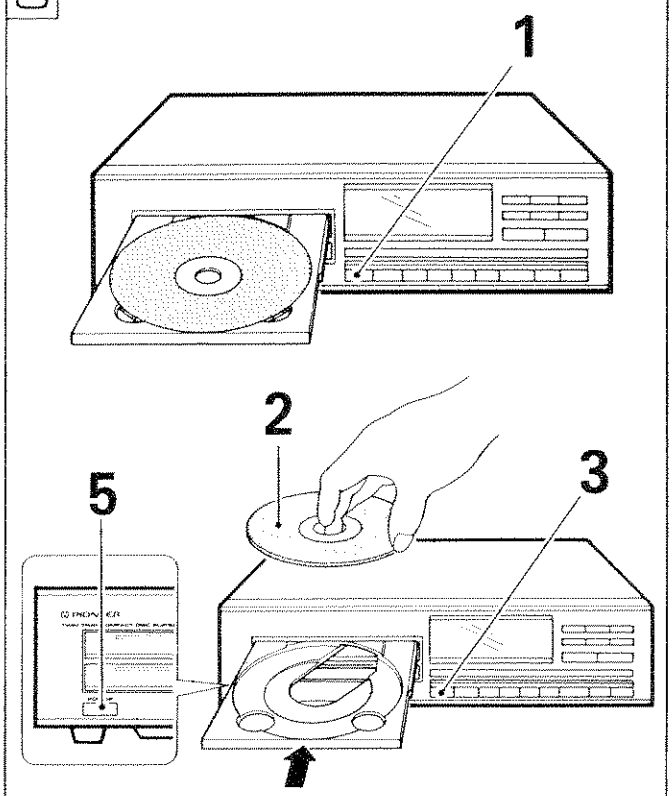
b) Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.

c) Mount antenna discharge unit as closely as possible to where lead-in enters house.

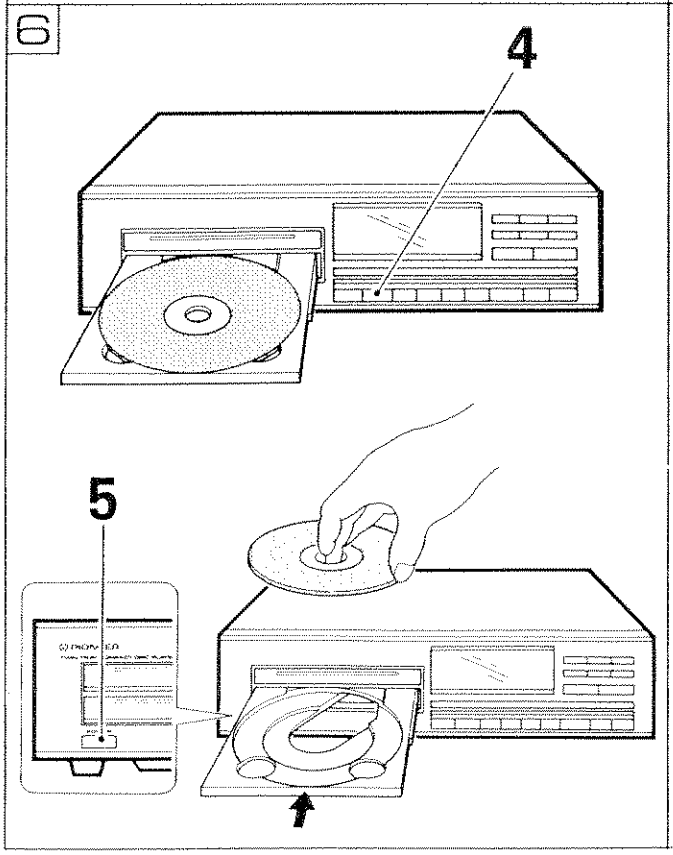
d) Use jumper wire not smaller than No. 6 AWG (13.3 mm²) copper, or the equivalent, when a separate antenna-grounding electrode is used.
See NEC Section 810.21 (f).


1
①
②
2
Illustration is not applicable to U.K. model.
L
R
CD
3
1
2
3
8 cm
12 cm
4
4
1
2
3
12 cm
8 cm
5

5



6



CONTENTS

Features 6
Cautions Regarding Handling 6
Before Operating Player 8
Connections 8
Names and Parts Uses 9
Operation 12
Troubleshooting 18
Specifications 19

[FOR EUROPEAN AND U.K. MODELS]

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appear on your player.

Location: rear of the player

[FOR U.S. MODEL]

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna.
- relocate this equipment with respect to the receiver.
- move this equipment away from the receiver.
- plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet, prepared by the Federal Communications Commission, helpful:

"How to Identify and Resolve Radio-TV Interference Problems."

This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

The above instructions apply only to units which will be operated in the United States.

FEATURES

Multitude of functions with two discs.

■ **Continuous playback**

While playing a disc, the other disc can be inserted or ejected. Therefore, continuous playback is possible.

■ **Playback of tracks from two discs.**

Tracks from both discs can be programmed for playback. Also, during random playback, tracks are played at random from both discs.

Has convenient function ideal for tape dubbing, etc.

■ **24-Step Random Programming**

You can program the player to play a selection of tracks in any desired order.

■ **Pause Programming**

You can put pauses (temporary stopping of playing) into your programs, which is convenient for electronic accompaniment (karaoke) and tape editing.

High fidelity playback with high-performance pickup and linear servo system.

Other features

■ **Repeat playing of all tracks or programmed tracks.**

■ **Random Playback**

Tracks from the inserted disc are played at random.

■ **Compatible with 8cm CD single**

8cm CD single can also be played.

■ **High-performance digital filter and twin D/A converter system.**

■ **Multi-functional fluorescent display can be used to display the track number, elapsed time, the number of tracks on the disc, the total playback time of the disc, the total playback time of the program and the remaining time of the disc.**

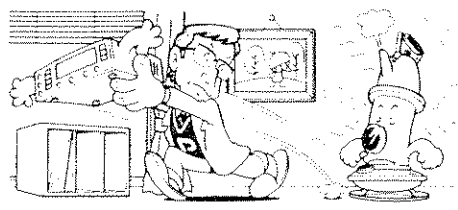
■ **Timer Start**

CAUTIONS REGARDING HANDLING

LOCATION

Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.

Do not install the player in a location which is exposed to direct rays of the sun, or near to hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)



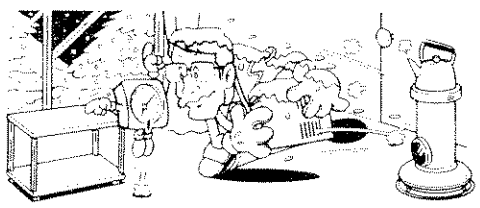
PRECAUTIONS REGARDING INSTALLATION

■ Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.

■ Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the compact disc player.

CONDENSATION

When the player is brought into a warm room from previously cold conditions or when the room temperature is suddenly increased, condensation may form inside and the player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

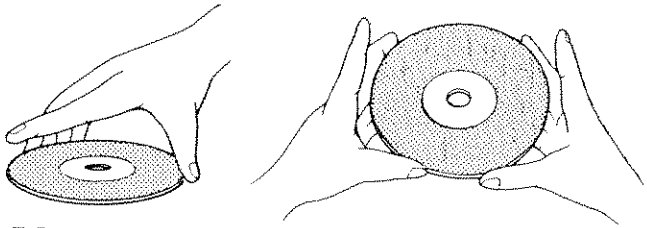


CARE OF DISCS

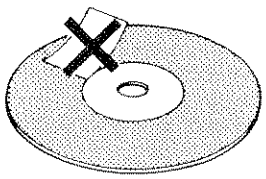
■ With this player, use discs which display the mark shown below. (Optical audio digital discs.)

COMPACT disc DIGITAL AUDIO

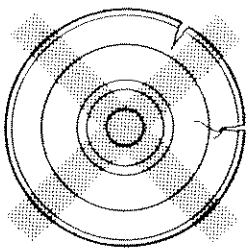
■ When holding discs, do not touch their signal surfaces. Hold the edges, or one edge and the center hole.



■ Do not affix labels or adhesive tape to the label surfaces. Also, do not scratch or damage the label.

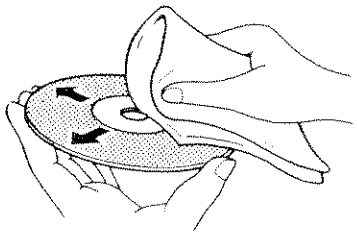


■ Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.



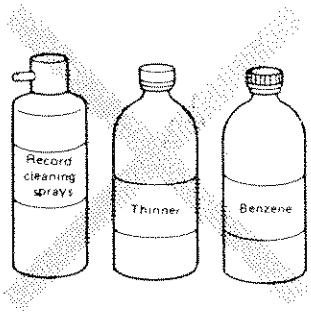
CLEANING DISCS

■ The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals; but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality.
Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.



■ If a disc becomes very dirty, wet a soft cloth in water. After wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft dry cloth.

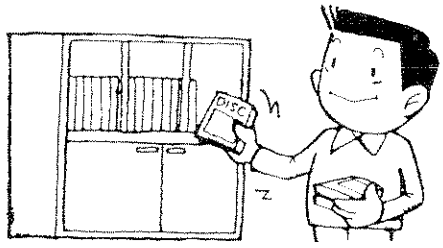
■ Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.



STORING DISCS

■ Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars and on the seats being exposed to direct sunlight since this can be harmful.

■ Always read and abide by the precautionary notes listed on the disc labels.



CLEANING THE PLAYER

To clean the front panel and unit housing, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene or thinner which are harmful to the unit.

BEFORE OPERATING PLAYER

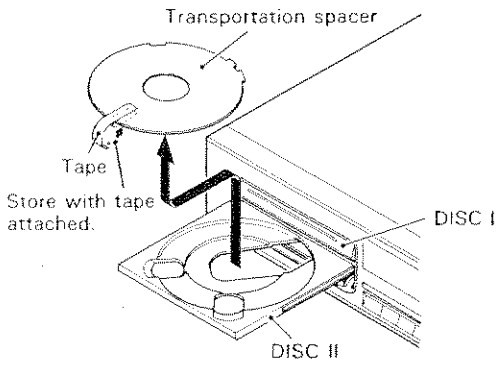
CONFIRM SUPPLIED ACCESSORIES

- Refer to figure 1 on page 3.

① Output cable × 1
② Remote control cord × 1

REMOVING THE TRANSPORTATION SPACER

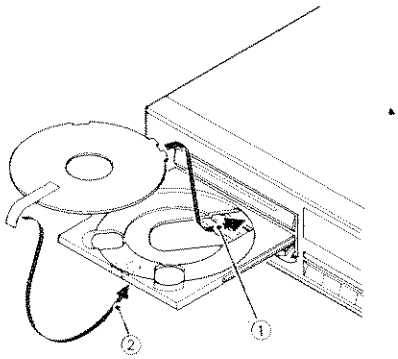
The transportation spacer is located in the DISC II. Remove the spacer before starting operations.
Refer to the section "Operation Procedures before Playback" (page 12) for details on opening DISC II.
After removing the spacer, attach a piece of tape to it and store it in the case so it can be used when the unit is transported again.



RE-INSTALL THE TRANSPORTATION SPACER WHEN THE UNIT IS TRANSPORTED AGAIN.

Use the spacer that was stored and insert it in to DISC II.
① Insert the raised sections in the corresponding holes.
② Seal the front side with tape.

NOTE:
Always remove the DISC when moving the player.



CONNECTIONS

- Refer to figure 2 on page 3.

ⓐ Red
ⓑ White
ⓒ Output cable (Accessory)
ⓓ Make sure not to connect to the PHONO input terminal used for record players, sound will be distorted, and normal playback will not be possible.
ⓔ CD or AUX terminals
ⓕ Stereo amplifier
ⓖ Power cord
ⓗ Household wall outlet
ⓘ Remote control cord (Accessory)
ⓙ Control Terminal
When using together with Pioneer products marked with the SR mark, make connections with the supplied control cord. When this feature is not used, connection is not necessary.

Connecting the output cable

Connect the plugs of the cable to the input terminals of the amplifier (terminals marked CD or AUX), and to the output terminals of the compact disc player.

- Connect the white plugs to the left (L) terminals and the red plugs to the right (R) terminals.
- Make sure plugs are pushed fully into the terminals.

Connect the power cord

Insert the power cord plug into the auxiliary AC outlet of your amplifier unit, or into a household wall outlet.

Illustration of the power cord is not applicable to U.K. model.

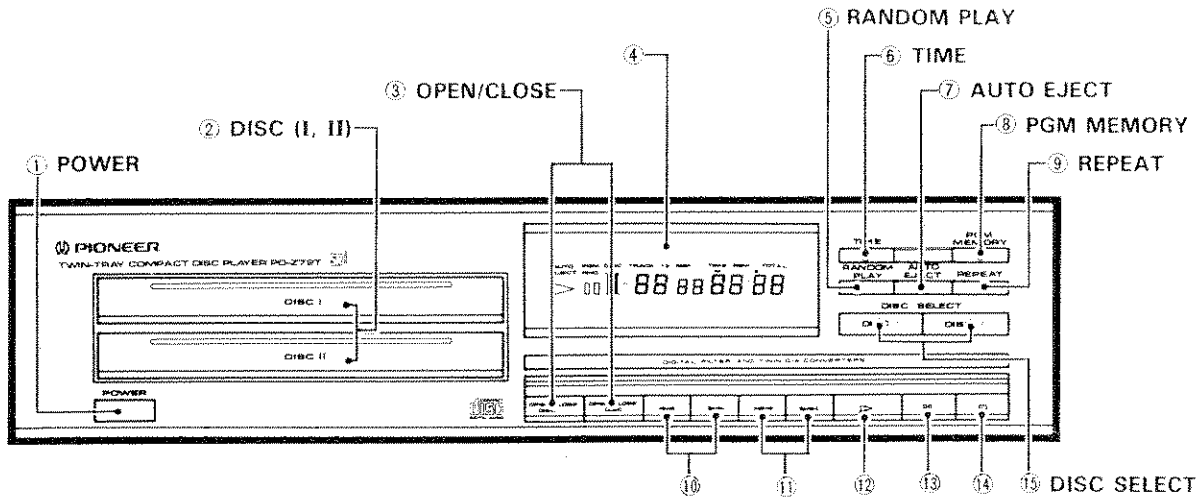
OPERATION BY REMOTE CONTROL

When use is made of a stereo amplifier with the Pioneer SR mark, connect the control terminal on the rear panel of the player to the corresponding terminal on the amplifier. This will enable the player to be controlled from a distance, with the remote control unit supplied with the amplifier.

- The remote control unit can be used for PLAY, STOP/CLEAR, PAUSE, TRACK SEARCH and DISC operations.
- The control cord is supplied with the player.
- For instructions regarding connection and operation, please refer to the operating instruction manual for your stereo amplifier.

NAMES AND PARTS USES

FRONT PANEL



① POWER switch

Press to turn power to the unit ON and OFF.
If there is a disc in the unit when power is turned ON, playback will begin automatically. (Timer start function)

② DISC (I, II)

This is where the disc is set. When power is switched ON and the OPEN/CLOSE key is pressed, the tray is ejected forward. To insert the tray, press the OPEN/CLOSE key, or lightly push the tray in with your finger. With the disc tray open, press the play key to close the disc tray and start playback.

③ OPEN/CLOSE keys (I, II)

Press when you wish to eject or load a disc. Each time the key is pressed, the tray is alternately pushed out or pulled in.
DISC I: Opens and closes DISC I.
DISC II: Opens and closes DISC II.

④ Indicators

AUTO EJECT	: Lights during auto eject playback.
PGM	: Lights after programming (after program has been memorized).
RND	: Lights during random playback.
DISC	: Displays the disc number (I or II) of the disc to be played.
▷	: Lights during playback.
⏸	: Lights during temporarily interrupted playback.
TRACK	: Displays the current track number and index number (during normal playback and programmed playback) or the track being programmed and the program steps during programming operation.
1 ▶ REP	: Lights during repeat playback of one track.
REP	: Lights during repeat play.
TIME REM/TOTAL	: Changes each time the TIME key is pressed.
• TIME	: Displays the track number of the track being played (TRACK) and the elapsed time (minutes and seconds).
• REM	: Displays the remaining time on the track being played. When the TIME key is pressed again, the remaining time on the disc being played will be displayed.
• TOTAL	: Displays the total number of tracks on the disc (TRACK) and the overall playback time (minutes and seconds) of disc I. When the TIME key is pressed again, the total number of tracks on the disc (TRACK) and the overall playback time of disc II will be displayed. During playback, the display goes on for about 5 seconds before changing to the TIME display.
M (minute)	: Displays the minutes of the elapsed time, total playback time, and remaining time.
S (second)	: Displays the seconds of the elapsed time, total playback time, and remaining time.

⑤ RANDOM PLAY key

Press to begin random playback.

⑥ TIME key

This key selects the display mode of the indicator panel. Each time the key is pressed, the indication changes from TIME, REM, to TOTAL in that order. (For details concerning the display contents, refer to the explanation about the indicators.)

⑦ AUTO EJECT key

Press to perform auto eject playback.
When a disc is finished playing, the disc's disc tray will automatically eject. The other disc tray will close and playback will start. By replacing discs, continuous playback can be maintained.

⑧ PGM MEMORY key (PROGRAM MEMORY)

Use to program a sequence of tracks.

- Press this key after selecting a desired disc and track with DISC SELECT and track search keys. Tunes will be added to the program in the order in which they are specified.

⑨ REPEAT key

Press this key for repeat playback. Pressing the key once, twice, or three times will change the repeat mode from single track repeat, all tracks repeat, and repeat playback cancellation.

Single track repeat:

The currently-playing track will repeat. The key can be used during normal playback, program playback, random playback.

All tracks repeat:

All tracks on the discs will be repeated.

- If pressed during normal playback mode, all tracks on the discs will be repeatedly played back.
- If pressed during programmed playback, the programmed tracks will be repeatedly played back in the programmed order.
- In the case of random play mode, after all the tracks have been played, random play will start again.

⑩ Manual search keys

When the player is in playback or pause modes, these keys are pressed to perform fast forward or reverse operations to allow manual searching. These operations are only carried out during the time either key is pressed.

[▶▶] : For fast forward operation. If the end of the disc is reached during fast forward operation, "End" will be displayed and the player will enter the pause mode. [During programmed playback, the player will enter the pause mode right before it reaches the next track (program step).]

[◀◀] : For fast reverse operation. If the beginning of the disc is reached during fast reverse operation, the player will enter the playback mode. [During programmed playback, the player will enter the playback mode right before it reaches the previous track (program step).]

⑪ Track search keys

During normal playback, programmed playback or pause modes, these keys are pressed to search for the desired track. Pressing either key causes the player to advance to the next track or to return to the previous track. Even in stop mode, these keys can be used to select the desired track. Press the play key to playback the desired track. If the PGM MEMORY key is pressed when the player is stopped to set the program mode, the performance time of each track is displayed each time the track search key is pressed.

[▶▶|] : When pressed once, playback advances to the beginning of the next track on the disc; when pressed continuously, playback advances to the beginning of succeeding tracks on the disc. (During programmed playback, it advances to the beginning of the next programmed track.)

[|◀◀] : When pressed once, playback returns to the beginning of the currently playing track; when pressed continuously, playback shifts to the beginning of previous tracks on the disc. (During programmed playback it returns to the beginning of the previously programmed track.)

⑫ Play key (▷)

Press to begin playback, and to cancel the pause mode.

⑬ Pause key (□□)

Press to temporarily interrupt playback. When pressed again, the pause mode is cancelled and playback resumes.

⑭ Stop/clear key (□)

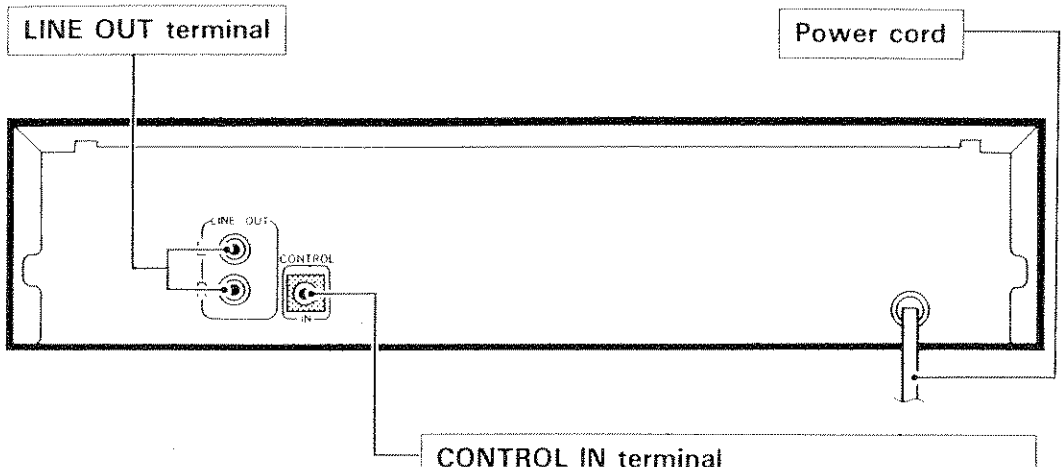
Press to stop playback. When pressed, the player goes into stop mode and all operations stop.
Press to clear a program. When pressed during stop mode, the program stored in memory is cleared.

⑮ DISC SELECT keys

DISC I: Use to select DISC I for playback or programming.
DISC II: Use to select DISC II for playback or programming.

- During playback, when the disc select key for the disc not being played is pressed, the current playback will stop and playback of that disc will begin.

REAR PANEL



CONTROL IN terminal

This terminal is for inputting the remote control signals relayed from an amplifier with a sensor for receiving control signals from a remote control unit and carrying the Pioneer mark. For instructions regarding connection and operation, please refer to the operating instruction manual for your stereo amplifier.

OPERATION

OPERATION PROCEDURES BEFORE PLAYBACK (Inserting a disc)

- All names of controls and indicators are accompanied by a number in a circle.
- Refer to figures 3 and 4 on page 3.

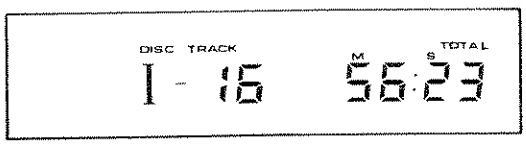
1. **Press the POWER switch ① to turn ON power.**
2. **Press the OPEN/CLOSE DISC I key ③.**
   The disc tray will be ejected forward.

3. **Place a disc on the tray of DISC I ②.**
   Insert the disc on the tray while following the respective disc guide (8cm or 12cm disc guide), as shown in the figure.

NOTE:

- *When setting an 8cm CD single, do not use the 8cm CD single adapter.*
- *Make sure to place the disc on the tray with the label side upward.*
- *Hold the disc so that you do not touch the playing side (the iridescent side) with your hands or fingers.*
- *If both 8cm and 12cm discs are inserted and played simultaneously, the disc may be scratched or malfunction may result. Insert only one disc at a time.*

4. **Push the tray of DISC I ② into the player.**
   Press the OPEN/CLOSE DISC I key ③, or gently push the disc tray in with your fingers.
   After insertion of the disc tray, the total number of tracks on the disc and the total playback time will be displayed for 5 seconds.



5. **In the same way, press the OPEN/CLOSE DISC II key ③ and insert a disc on the tray of DISC II ②. Then push the tray back in.**

OPERATION PROCEDURES AFTER PLAYBACK (Removal of disc)

- Refer to figures 5 and 6 on page 4.

1. **Press the OPEN/CLOSE DISC I key ③ and eject the tray of DISC I ②.**
2. **Remove the disc and put it into its case.**
   Be careful not to touch the playing side.
3. **Press the OPEN/CLOSE DISC I key ③, or gently push the tray of DISC I ② in with your fingers.**
4. **In the same way, press the OPEN/CLOSE DISC II key ③ and take out the disc from the tray of DISC II ②. Then push the tray back in.**
5. **Press the POWER switch ① to turn OFF power.**

OPERATIONS FOR NORMAL PLAYBACK

Playback of all tracks of two discs, from the first track of disc I to the last track of disc II.

1. **Carry out "OPERATION PROCEDURES BEFORE PLAYBACK", and insert a disc.**
2. **Press the play key ⑫.**
   The [▷] indicator will light and playback will begin from disc I.

   Shows the elapsed time of current playback and the track number.

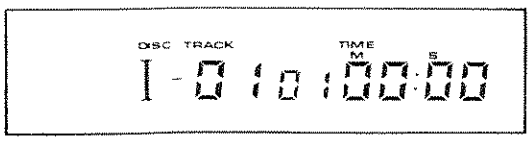
3. **Adjust sound volume and tone with the stereo amplifier controls.**
   When the last track of disc II finishes playing, the player enters stop mode. All operations stop and the player stops at the position of the first track of disc I and displays "01".
4. **After finishing playback, carry out the "OPERATION PROCEDURES AFTER PLAYBACK".**

Operation example

- To start playback:
  POWER → OPEN/CLOSE DISC I → Set disc → OPEN/CLOSE DISC II → Set disc → ▷
- After playback is completed:
  OPEN/CLOSE DISC I → Remove disc →
  OPEN/CLOSE DISC II → Remove disc →
  OPEN/CLOSE DISC II → POWER

TO STOP PLAYBACK

1. **Press the stop/clear key ⑭.**
   - When the stop clear key ⑭ is pressed, the player enters the stop mode, and all operations stop. When stopped in the normal playback mode, the first track number is displayed on the indicator; when stopped during programmed playback, the first track number of the program will be displayed. If a program is in memory, pressing the stop/clear key ⑭ again will clear the program.



Operation example

- To stop playback:

■

PAUSE OPERATION

1. **With the player in the playback mode, press the pause key ⑬.**
   The [II] indicator will light, and the player will pause immediately.
2. **To resume playback, press the pause key ⑬ again, or the play key ⑫.**

Operation example

- To temporarily stop playback:
  [II]
- To resume playback:
  [II] or [▷]

TO PAUSE AT THE BEGINNING OF A TRACK

1. **Press the pause key ⑬.**
2. **Select the disc number with a DISC SELECT keys ⑮.**
3. **Select a track using the track search keys ⑪.**
4. **Press the play key ⑫.**
   The player will pause at the beginning of the specified track.
5. **To start playback, press the pause key ⑬ or the play key ⑫.**

Operation example

- To pause at the beginning of the 3rd track on the second disc.
  [II] →Disc select [DISC II] →Select the 3rd track by pressing the [▶▶|] or [|◀◀] key → [▷]

- To start playback:
  [II] or [▷]

TO START PLAYING BACK FROM A DESIRED TRACK (DIRECT DISC AND TRACK SEARCH OPERATION)

During playback or stop mode, playback will begin from the track selected by specifying the disc number and track number, and will continue to the last track on the second disc.

1. **During playback, stop or pause mode, select a disc number with a DISC SELECT keys ⑮ and a track number with track search keys ⑪.**
   - If only a disc number is selected, playback will begin from the first track on the specified disc.
   - If only a track number is selected, playback will begin from the specified track on the disc for which the player is in playback or pause mode.
2. **Press the play key ⑫ to begin playback.**

NOTE:

- *When a track number of a track not on the disc is selected, playback starts from the first track.*
- *Track selection cannot begin from the disc number of a disc tray which does not contain a disc.*
- *Performing a direct disc search during programmed playback causes the program to be cleared.*
- *Performing a direct disc search during random playback causes random playback to be cancelled.*
- *Playback from a direct disc or track search is not possible when a program is being input in stop mode.*
- *When there is no disc inserted and the play key ⑫ or RANDOM PLAY key ⑤ is pressed, "disc" will appear in the indicator for 2.5 seconds.*

Operation example

- During stop mode, to playback the 3rd track on the second disc:
  Disc select [DISC II] →Select the 3rd track by pressing the [▶▶|] or [|◀◀] key → [▷]

OPERATIONS FOR REPEAT PLAYBACK

Single track repeat mode:

- The currently-playing track will repeat. (Single track repeat)

All tracks repeat mode:

- During normal playback, all the tracks on the all discs will be played back repeatedly (all track repeat of two discs).
- During programmed playback, the tracks programmed will be played back repeatedly in the order programmed (programmed repeat).
- In the case of random play mode, after all the tracks have been played, random play will start again.

1. **With the player in the playback or stop mode, press the REPEAT key ⑨.**
   When pressed once, it will enter the single track repeat mode. The [1 ▶REP] indicator will light. If the key is pressed again, all the tracks on the all discs will be repeated. The [REP] indicator will light.
2. **After the single track or all the tracks are played, repeat playback will begin.**
   Playback will be repeated until repeat playback is cancelled.

Single track repeat:
[REPEAT] → [▷] or [▷] → [REPEAT]
All tracks repeat:
[REPEAT] → [REPEAT] → [▷] or
[▷] → [REPEAT] → [REPEAT]

■TO CANCEL THE REPEAT MODE

- Press the REPEAT key ⑨ until the [REP] indicator goes off. The player will revert to the normal (or programmed) playback mode.
- Press the stop/clear key ⑭. Playback will stop and the repeat mode will be cancelled simultaneously.

[REPEAT] or [□]

REPLACEMENT OF THE DISC JUST PLAYED TO MAINTAIN CONTINUOUS PLAYBACK.

Relay playback

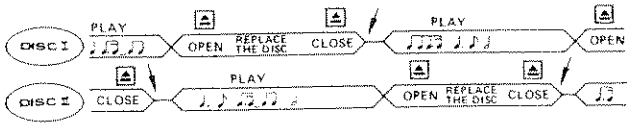
1. **Press the play key ⑫.**
   Playback will start with disc I.
2. **Press the REPEAT key ⑨ twice.**
   The player will enter the all track repeat mode and the [REP] indicator will light.

After playback of disc I ends, playback of disc II will begin.

3. **Press the OPEN/CLOSE DISC I key ③.**
   Replace the disc.
4. **Push the tray of DISC I ② into the player.**
5. **For continuous playback, keep replacing the disc that has finished playing.**

Operation example

[▷] → [REPEAT] → [REPEAT] →End of disc I playback → [OPEN/CLOSE DISC I] →Replace disc → [OPEN/CLOSE DISC I]

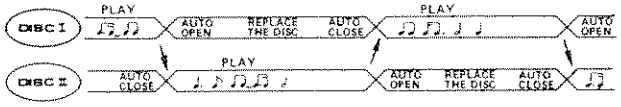


Auto eject play

1. **Press the play key ⑫.**
   Playback will begin with disc I.
2. **Press the AUTO EJECT key ⑦.**
   The [AUTO EJECT] indicator will light.

When playback of disc I ends, playback of disc II will begin. Disc I disc tray will then open automatically.

3. **Replace the disc in DISC I.**
   When playback of disc II ends, playback of disc I will begin automatically.
   Disc II disc tray will then open automatically.
4. **Replace the disc in DISC II.**
5. **For continuous playback, keep replacing the disc that has finished playing.**



TO LOOK FOR A DESIRED TRACK (TRACK SEARCH OPERATIONS)

During normal or programmed playback, or during the pause mode, these functions allow you to quickly find the beginning of a desired track. Also, any number of tracks can be skipped during the search process.

- When the [▶▶I] key ⑪ is pressed once, playback advances to the beginning of the next track. When pressed continuously, playback advances to the beginning of succeeding tracks. (During programmed play, playback advances to the beginning of the next programmed track.)
- When the [I◀◀] key ⑪ is pressed once, playback returns to the beginning of the currently playing track. When pressed continuously, playback shifts to previous tracks on the disc. (During programmed playback, playback returns to the previous programmed tracks.)

During search operation, the number of the track being searched for will be displayed on the indicator. This allows you to monitor the progress of the search operation.

(During normal playback)

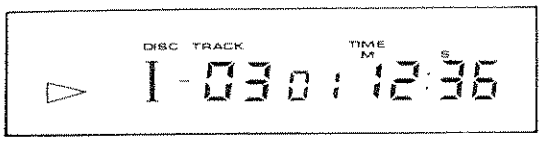
NOTE:
Pressing the [I◀◀] key ⑪ while in the first track (or the first step) will have no effect. Also, pressing the [▶▶I] key ⑪ while in the final track (or final step) will have no effect.

FAST FORWARD AND REVERSE (MANUAL SEARCH OPERATIONS)

During playback or pause modes, this function allows you to quickly advance or reverse through the disc to find a desired part . Listen to the sound from your speakers connected to your amplifier while performing the search (during playback mode only). When the key is released the player returns to its original mode (playback or pause). During pause, high-speed search is possible. However, no sound will be output.

- When the [▶▶] key ⑩ is pressed, the player will advance quickly through the disc. If the end of the disc is reached, the player will enter the pause mode. (The indicator will display "End.") The pause mode can be cancelled by pressing the [◀◀] key ⑩.
- When the [◀◀] key ⑩ is pressed, the player will reverse quickly through the disc. If the beginning of the disc is reached, the player will enter the playback mode.

During search operation the elapsed time will be displayed. Watch this display during search operation.



(During normal playback)

NOTE:
During programmed playback, you can only do forward and reverse searches within the song currently being played; the player enters the pause (or playback) mode immediately before moving to the next (or previous) track. Play can be restarted by pressing the play ⑫, pause ⑬ or (◀◀) key ⑩.

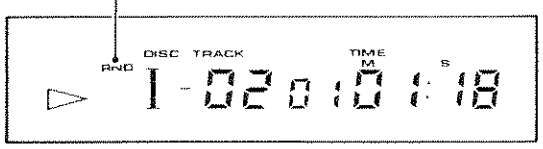
RANDOM PLAYBACK

- Each track of the discs set will be played at random. After all the tracks have been played, the player will go in stop mode.
- During random playback, replace the disc not being played and push in the disc tray. This will allow continuous random playback.

RANDOM PLAY

1. **Press the RANDOM PLAY key ⑤.**
   Random playback will begin.

The [RND] (random) indicator will light.



2. **Pressing the RANDOM PLAY key ⑤ once more will have the player select a track at random for playback.**

When ALL TRACKS REPEAT mode is ON:

Random playback will be repeated.

To cancel random playback operation

- Press the stop/clear key ⑭. Playback will stop and random playback operation will be cancelled simultaneously.

TO PLAYBACK TRACKS IN A DESIRED ORDER (PROGRAMMED PLAYBACK)

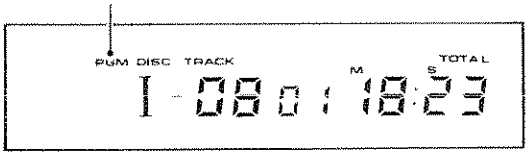
- With this function, you can play back the tracks on the discs in any desired order.
- You can select disc number I or II and track numbers from 1 to the maximum number of recorded selections on the disc, and program a playback sequence consisting of up to 24 steps.

Memorizing a program

1. **During stop mode, select a disc number with the DISC SELECT keys ⑮ and a track with the track search keys ⑪.**
2. **Press the PGM MEMORY key ⑧.**
3. **Repeat procedures 1 and 2.**
   Repeat the above operations for each track you want to be memorized, in the order in which you want the tracks to be played. The player can play back a sequence of up to 24 steps.

   Each time you program a track, the program step the number of the programmed disc and track, and the total time are displayed on the indicator.
   The total playback time of the program will not be displayed if the total playback time exceeds 100 minutes or if the program contains more than 18th tracks.

The PGM (program) indicator lights.



Operation example

To playback track 5 of disc I, track 3 of disc II and track 8 of disc I.

- Enter in the following program:

Step	Key operations	Indicator display
01	Disc number [DISC I] Press [▶▶|] 5 times [PGM MEMORY]	I - 0 : 00 00 I - 05 0 : 00 00 I - 05 0 : 05 32
02	Disc number [DISC II] Press [▶▶|] 3 times [PGM MEMORY]	II - 0 : 00 00 II - 03 0 : 00 00 II - 03 02 12 41
03	Disc number [DISC I] Press [▶▶|] 8 times [PGM MEMORY]	I - 0 : 00 00 I - 08 0 : 00 00 I - 08 03 18 23

■ When the disc tray is open:

Programs can be entered to memory. Although the programming procedure is the same as described above, the indicator displays programmed information step-by-step. When the disc tray is closed with a disc loaded, any programmed tracks not on the disc will be deleted automatically from the program.

Playback

1. **Press the play key ⑫ to begin programmed playback.**
2. **Playback ends.**
   When the last programmed track finishes playing, the player enters stop mode. (All operations stop, and the player stops at the position of the first programmed track.)

■ When ALL TRACK REPEAT mode is ON:
When the last programmed track finishes playing, the player returns to the first programmed track, and repeats programmed playback.
Repeat playback will continue in this way until the REPEAT key ⑨ is pressed once again, or the stop/clear key ⑭ is pressed.

Operation example

- To start playback:
  [▷]

Cancellation of programmed playback and clearing a program

- Pressing the stop/clear key ⑭ will cause playback to stop. In this case the program stored in memory will not be cleared. To clear the program, press the stop/clear key ⑭ once more.

Operation example

- To stop playback:
  [□]
- To clear a program:
  [□] → [□]
  (Cancellation of playback) (Clearing a program)

TO PROGRAM A PAUSE OPERATION

During programmed playback, these operations cause the player to pause at the beginning of tracks for which a pause has been specified.

[Application Example 1.]
When recording on both sides of a cassette tape, program for a pause to occur after the completion of the last track, before the first side of the tape runs out, to enable recording of the next track to begin after the tape has been turned over.

[Application Example 2.]
When recording on a tape, program for pauses to occur between tracks, to allow blank intervals or narration to be recorded on the tape, after which recording can be resumed.

Memorizing a pause program

1. **During stop mode, select a disc number with the DISC SELECT keys ⑮ and track with the track search keys ⑪.**
2. **Press the PGM MEMORY key ⑧.**
3. **Press the pause key ⑬.**
   Perform procedures 3 and 4 to insert a pause at the beginning of the track selected after procedure 4. A pause is counted as a program step.
4. **Press the PGM MEMORY key ⑧.**
   To enter another track into the program, repeat procedures 1 and 2 above. During playback, there will be a pause at the beginning of this track.
5. **Repeat procedures 1 to 4.**
   Up to 24 steps can be programmed.

NOTE:
A pause cannot be programmed for step 1 (01), and it cannot be programmed for two consecutive steps and it cannot be programmed for last step.

Operation example

This is to program the player to playback track 5 of disc I, track 3 of disc II, and track 8 of disc II, and to pause at the beginning of track 8 of disc II after playing back track 3 of disc II.

- Enter the program:

Step	Key operations	Indicator display
01	Disc number [DISC I] Press [▶▶|] 5 times [PGM MEMORY]	I - 05 01:00:00 I - 05 01:05:32
02	Disc number [DISC II] Press [▶▶|] 3 times [PGM MEMORY]	II- 03 01:00:00 II- 03 02 12:41
03	[00] [PGM MEMORY]	00II- 03 12:41 II- PR 03 12:41
04	Disc number [DISC II] Press [▶▶|] 8 times [PGM MEMORY]	II- 08 01:00:00 II- 08 04 18:23

- The total playback time of the three tracks is 18 minutes and 23 seconds.

TIMER START

If a disc is set on the disc tray beforehand, then the player will automatically start playing from track 1 of the first disc when the power is turned on.
The player can be made to start playing from a specified time if use is made of an audio timer.

NOTE:

- *When using an audio timer, leave the POWER switch ⏻ of the player turned ON.*

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable cause	Remedy
Disc tray is not expelled when OPEN/CLOSE key 3 is pressed.	• Power plug is disconnected from outlet. • POWER switch ① is OFF.	• Connect plug to stereo amplifier or wall outlet. • Press POWER switch ①, ON.
When playback is started, it stops immediately. **Pauses or stops playback**	• Disc is loaded upside down. • **Contaminated disc, etc.**	• Load the disc correctly with the label side UP. • **Press the play ⑫ or pause ⑬ key.** • **Clear the fog from the disc and then play it again.**
No sound.	• Output cords are connected incorrectly or loosely. • Incorrect operation of stereo amplifier. • Player is in pause mode.	• Connect properly. • Check the settings of stereo amplifier switches and sound volume controls. • Press the play key ⑫ or the pause key ⑬.
Sound is distorted, noise is output.	• Incorrect connections. • Pin plugs or amplifier input terminals are dirty. • Interference is being picked up from a TV set.	• Connect to amplifier CD or AUX terminals, etc. Do not connect to PHONO input terminals. • Clean away dirt. • Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	• Disc is badly scratched or warped. • Disc is extremely dirty.	• Replace the disc. • Clean disc.

SPECIFICATIONS

1. General

Type ..... Compact disc digital audio system
Usable discs ..... Compact Disc
D/A conversion format ..... 16-bit linear
Power requirements
European models ..... AC 220V, 50/60Hz
U.K., Australian models ..... AC 240V, 50/60Hz
U.S., Canadian models ..... AC 120V, 60Hz
Other models ..... AC 110/120–127/220/240V (switchable), 50/60Hz
Power consumption 16W
Operating temperature ..... +5°C – +35°C (+41°F – +95°F)
Weight 3.8kg (8lb, 6oz)
External dimensions ..... 360(W) × 324(D) × 90(H)mm 14-3/16(W) × 12-3/4(D) × 3-9/16(H) in.

2. Audio section

Frequency response ..... 4Hz – 20kHz ($^{+0.5}_{-1}$dB) (EIAJ)
S/N ..... 100dB or more (EIAJ)
Dynamic range ..... 92dB or more (EIAJ)
Channel separation ..... 93dB or more (EIAJ)
Wow and flutter ..... Limit of measurement (±0.001% W.PEAK) or less (EIAJ)
Number of channels ..... 2 channels (stereo)

3. Functions

- Pause
- Track search
- Manual search
- Programmed playback
- Programmed repeat
- Pause program
- Single track repeat
- Sequential disc all track repeat
- Relay playback
- Auto eject play
- Auto eject random play
- Random play
- Random repeat
- Timer start

4. Accessories

- Remote control cord 1
- Output cable 1
- Operating instructions 1

NOTE:
The specifications and design of this product are subject to change without notice, due to improvements.

Published by Pioneer Electronic Corporation.
Copyright © 1988 Pioneer Electronic Corporation.
All Rights reserved.

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS [USA] INC. 2265 East 220th Street, Long Beach, California 90810, U.S.A.
P.O. BOX 1720, Long Beach, California 90801, U.S.A.
PIONEER ELECTRONICS OF CANADA, INC. 505 Cochrane Drive, Markham, Ontario L3R 8E3, Canada
PIONEER ELECTRONIC [EUROPE] N.V. Keetberglaan 1, 2740 Beveren, Belgium, TEL: 03/750.05.11
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia, TEL: (03) 580-9911

〈89H10MF4D11〉

Printed in Japan <PRB1076-A>